

SECTION 86

SPARES AND SPECIAL TOOLS

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8 86.1 REFERENCES

9 (86A) **VOLUME IV, TECHNICAL SPECIFICATION**

10 86.2 INTRODUCTION

11 This Section contains the Contractor Design and Provide general requirements for spare
 12 parts. See Section 100 of the Technical Specification and **VOLUME III, CONTRACT**
 13 **PROVISIONS** for documentation and certification requirements applicable to supplied
 14 materials, including spare parts provided under this Section.

15 *For WSF Fleet-wide Standardization purposes, End No. 1 of the Vessel shall always be*
 16 *considered the bow, and this designation shall delineate port and starboard, fore and aft*
 17 *wherever they are addressed in the Technical Specification.*

18 86.3 SPARE PARTS AND SPECIAL TOOLS

19 The Contractor shall provide an itemized list of manufacturer's recommended Spare Parts
 20 and Special Tools, as set forth below, for the Contractor provided equipment. Spare Parts
 21 and Special Tools will be selected by the WSF Representative from the itemized list of
 22 recommended spares and tools submitted by the Contractor. The list shall include the
 23 minimum required Spare Parts and Special Tools, for each piece of equipment provided by
 24 the Contractor, necessary to support twenty-four (24) calendar months of continuous
 25 operation by the four (4) Vessels under this Contract. This time period shall commence at
 26 the end of the Warranty period for each Vessel. The Spare Parts will be installable by the

various Vessels operating crews. The combined spare parts inventory, on-board and ashore, shall be designed to support the Vessels with the most efficient, and least expensive recommended parts inventory. For proposal purposes a Proposed Spare Parts List shall be provided with an itemized fixed price for the proposed spare parts and tools necessary to meet the requirements of this Section and the Technical Specification.

After the detailed design is complete, a final spare parts and special tools list shall be provided. The final spare parts list shall be organized into three (3) parts:

Part 1. - Shipboard Spare Parts and Special Tools.

Part 2. - Shore-side Spare Parts and Special Tools.

Part 3. - Factory Spares

Division of the spare parts list into shipboard and shore-side lists shall be accomplished as part of the development of the itemized and priced final recommended spare parts and special tools list described below. The total price for the final list shall be equal to the proposed fixed price for the Proposed Spare Parts List required in the Proposals.

Each part or component shall be identified and labeled by a unique part number that is clearly traceable to the parent equipment. If the complexity of the equipment necessitates, exploded views of the equipment and its components shall be provided in the final Spare Parts List to aid in the identification of parts. PC card components (if applicable), equipment components, and other individual components of assemblies, shall be fully detailed with complete component technical specification callout.

The Spare Parts List shall indicate the name, address, and telephone number of the source of the parts as of the day the list is submitted and, in addition, shall include its unique manufacturer's part number, quantity recommended, itemized part or tool availability lead time, part or tool item price, and identify the parts or tools parent equipment. The list shall include a recommendation for WSF owned inventory on-board the Vessel, and shore-side. Parts not recommended for WSF ownership, but retained as manufacturer's spare parts shall be priced and listed separately as "factory spares".

All Vessel components shall be supportable by readily available parts and service in the United States. Components will be considered supportable if replacement parts are stocked and/or manufactured in the United States and service representatives are based in the United States.

Spare parts required by Authoritative Agencies in excess of manufacturers' recommendations shall be provided with the equipment and at no cost to WSF.

Where there are redundant or standby units of equipment, the lists shall provide spares as though there were no redundancy.

1 A final recommended Spare Parts and Special Tools Lists shall be submitted to the WSF
2 Representative for approval at the conclusion of system detailed design and in sufficient time
3 to ensure that the WSF selected Spare Parts and Special Tools are provided by the time the
4 first Vessel is ready for Sea Trials. The total price for Spare Parts and Special Tools shall be
5 the total price quoted in the Financial Proposal for Spare Parts, unless changed in accordance
6 with the Contract.

7 The final recommended list shall be sub-divided into those parts recommended for stowage
8 on-board the Vessels, and those to be stored ashore in the WSF warehouse. Those items
9 recommended for on-board stowage shall consist of the minimum necessary requirement for
10 all routine preventive maintenance and the most probable required emergency replacement
11 parts for casualties expected in the twenty-four (24) month operating period. The shore-side
12 spare parts shall be replacement parts required for repair of less serious and less probable
13 casualties.

14 Upon approval of the lists by the WSF Representative, the Contractor shall provide the
15 selected Spare Parts and Special Tools, packaged by the manufacturer for shipment and long-
16 term storage. A complete list of parts and tools contained in each box shall be mounted
17 inside the box cover. Each part and tool shall be clearly and permanently identified by part
18 number and a self explanatory description on the outside of its individual package. The
19 Contractor shall hold the on-board spares in a clean, dry, heated, Contractor provided storage
20 location, until delivery and stowage aboard the Vessel just prior to Vessel delivery. Delivery
21 of on-board spares to the Vessel and the shore-side spares to the WSF Warehouse, shall be
22 provided by the Contractor, as directed by the WSF Representative.

23 In general, all spare parts and special tools related **to a particular unit** of equipment shall be
24 assembled in a clearly identified box, or series of consecutively numbered and identified
25 boxes. The boxes shall be of steel construction and reasonable size for ease of handling and
26 stowage. A complete list of parts and tools contained in each box shall be mounted inside
27 the box cover. Each part and tool shall be clearly and permanently identified by part number
28 and a self explanatory description on the outside of its individual package.

29 WSF may, at its sole option, purchase all, none, additional quantities, or some part of the
30 spare parts from the itemized price lists to be provided with the Contractor provided
31 equipment. Any such procurement shall be by Contract Change Order, or separate Purchase
32 Order at the manufacturers' proposed prices, plus 15-percent (15%) Contractor mark-up
33 allowance.

34 **Prices for such optional spare parts shall remain in effect for two (2) years after**
35 **delivery of the final Vessel of this Contract.**

36 All Contract Provisions applicable to parts and related documentation provided under the
37 base Contract shall apply to Spare Parts and Tools obtained through change order.

The above requirement shall be clearly documented in the Contractor's purchase agreement and is transferable to WSF upon delivery of each Vessel. Air filters are excluded from this requirement.

Special tools shall be provided as recommended by each manufacturer or supplier for the inspection, maintenance and repair of **all** equipment. These shall include noncommercial tools, repair appliances, nonstandard test equipment, specialized adapters, tools not to ANSI or other recognized United States standards and similar items.

86.4 SPARE DECK COVERINGS AND JOINER SYSTEM MATERIALS

Provide deck and joiner system materials as set forth in Sections 6 and 25 of the Technical Specification.

86.5 PHASE II TECHNICAL PROPOSAL REQUIREMENTS

The following deliverables, in addition to others required by Section 100 of the Technical Specification and the Authoritative Agencies, shall be provided during the Phase II Technical Proposal stage of Work in accordance with the requirements of Section 100 of the Technical Specification:

A. Part 1. - Shipboard Spare Parts and Special Tools.

B. Part 2. - Shore-side Spare Parts and Special Tools.

C. Part 3. - Factory Spares

Spare parts required by the Authoritative Agencies shall be clearly distinguished from other parts on the spare parts list through use of asterisk (*) annotation or other means.

Refer to Section 100 of the Technical Specification for additional requirements regarding technical documentation.

86.6 PHASE III DETAIL DESIGN AND CONSTRUCTION REQUIREMENTS

The following deliverables, in addition to others required by the Authoritative Agencies, shall be provided during the Construction stage of Work in accordance with the requirements of Section 100 of the Technical Specification:

A. Part 1. - Shipboard Spare Parts and Special Tools.

B. Part 2. - Shore-side Spare Parts and Special Tools.

C. Part 3. - Factory Spares

Refer to Section 100 of the Technical Specification for additional requirements regarding technical documentation.

(END OF SECTION)